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Personal Information

Gender: Male.
Nationality: Egyptian.
City: Cairo.
Birth Date: 18th of September 1988.
Military Status: Exempted.
Marital Status: Single.

Objective

Build a strong and a highly qualified career in software programming, development and research, through working in productive and creative team. So that in the future we can create leading and advanced software solutions

Education

B.Sc. Computer Science, 2009 Faculty of Computers and Information -Helwan University-Egypt.
Overall Grade: Very Good.
Graduation project: excellent

Languages

Arabic: Mother Tongue.
English: Very Good.
French: Fair.

Graduation Project

Online Water Flow Network Modeling and Monitoring (*Pipe-Pro*)

- **Abstract:** *Pipe-pro* help *water companies* to model new water networks with hydraulic engine and monitoring existing networks using real time data from SCADA system.
- **Features:** The project have four Layers
 - Modeling new network (CAD layer).
 - Online 3D monitoring for real network (Visualization layer).
 - Calculating the optimal cost using Genetic Algorithm (Optimization layer).
 - Decision-making about the areas which we can build the network by using GIS maps (GIS layer).
- **Tools and Technologies:** Visual Studio 2008, Expression Blend, Java3D, JavaFX, NetBeans.
- **Supervising professor:** Prof. M. Belal, Chief of Computer Science Department, Helwan University.
- **Sponsor:** Giza Systems, MIE, ESRI NeA and HCWW.
- **Graduation Project grade:** Excellent.



Work Experience

- **Asset Technology Group** (<http://www.asset.com.eg/>)
 - Professional Services (August 2010- Present)
 - Position: **J2EE Software Developer.**
 - Worked in Jupiter is an ECM platform that helps organizations acquire, create, view, edit, print, publish, store, secure, route and destroy all types of content.
 - Jupiter is Asset Technology Software Product.
 - Maintaining Integration model between BPEL Workflow engine and Jupiter Project.
- **Nile University** (www.nileu.com.eg)
 - Professional Services (August 2009- August 2010)
 - Position: **Research Assistant.**
 - EGEPT Project is a database that monitors submissions to genbank nucleotide database. The data in EGEPT are browsable by institute, author, organism with full text search support
 - more details in projects table.
- **IT gate** (www.ITgate.net).
 - Professional training Center (August 2010- August 2011)
 - Position: **Java Instructor.**
 - Java Standard Edition Track.
- **Inform Training Center** (www.IBMInform.com).
 - Professional Training Center (September 2009- Present).
 - Position: **Java Enterprise Edition Instructor.**
 - J2EE Diploma (Java Server Pages,Servlet Technology, JSF, EJB).

References would be available upon request.

Main Projects

Nile University	Project in Points Description
EGEPT Nucleotide Statistics generator	<ul style="list-style-type: none">• Objective was to generate statistics from Nucleotide database and Mirror it.• This Process is done for 16 Country.• An agent downloads all files using E-Utilities web services.• Parser to parse some wanted data.• A statistics generator that generate this statistics.• Filter Layer to filter and optimize the statistics from unwanted data.• Building web interface to show this statistics ,offer simple text based search and Charts generator to simplify statistics viewing.
Project brief :	Development Technologies. <ul style="list-style-type: none">• J2SE, MySQL, Web services, TopLink.• Lucene API.• Icefaces framework.• JSF framework.• Google Charts API
EGEPT is a database that monitors submissions to genbank nucleotide database. The data in EGEPT are browsable by institute, author, organism with full text search support.	Final Results We have already submitted a paper related to this topic in CICBE Cairo International Conference on

	Biomedical Engineering http://www.cibec2010.org/index.htm
Asset Technology Group Jupiter Content Management System Project in brief : Jupiter is an ECM platform that helps organizations acquire, create, view, edit, print, publish, store, secure, route and destroy all types of content	Description: Jupiter is an ECM platform that helps organizations acquire, create, view, edit, print, publish, store, secure, route and destroy all types of content. Automating processes by defining and updating them according to business rules. Integrate content into workflow and distribute it in complex routes. Development Technologies: <ul style="list-style-type: none"> • Java 2 Enterprise Edition • Java Swing (Admin Client) • EJB • JDBC • Hibernate • Struts2 • Ajax • JUnit Development Tools: <ul style="list-style-type: none"> • Oracle JDeveloper 10g • Oracle Database 10g • Microsoft SQL Server 2005 • MySQL Database • BPEL Workflow engine • Oracle Application Server • JBoss Application Server

Technical Experience

Programming Languages & Platforms

- Java.
- C/C++.
- C# .Net.

Web Frameworks and Technologies

- Jsp & Servlet technology.
- Java Server Faces framework.
- Icefaces framework.
- Enterprise Java Beans.
- Java Script.
- HTML.
- XML,DTD

Application Servers

- CSS.
- JBoss J2EE application Server.
- Oracel Container 4 Java (OC4J).
- Glassfish.
- WebLogic Application Server (in progress)

Database Management Systems (Relational model)	<ul style="list-style-type: none"> - Oracle Database 9g,10g,11g. - MySql. - Microsoft SQL Server. - SQL. - PL/SQL.
Graphics Programming Multimedia Programs	<ul style="list-style-type: none"> - DirectX - Macromedia Flash
Development Tools And IDEs	<ul style="list-style-type: none"> - Eclipse. - NetBeans. - Jdeveloper. - Eclipse (C++). - KDeveloper (Linux, C++). - Visual Prolog.
Productivity Suites	<ul style="list-style-type: none"> - Microsoft Office 2010 - Microsoft Visio/ Microsoft Project - Matlab
Operating Systems	<ul style="list-style-type: none"> - Windows Platforms (XP/ 7) - Linux Platforms (Ubuntu/ Fedora)

Conceptual Skills

- Excellent Documentation skills.
- Analysis and Designing skills.
- Understanding of the OOP.
- WorkFlow Engines Concepts.
- Relational Database designing concepts.
- Service Oriented architecture main concepts (SOA).
- Object relational Mapping Concepts.
- Compiler Design
- Software engineering Concepts

Faculty Projects

Personal Projects

Knight tour Problem	<ul style="list-style-type: none"> - Algorithm for Solving Knight tour. - Simple GUI Using c#.net.
Process Controller	<ul style="list-style-type: none"> - Start, pause and finish any process from all processes. - Send specific signal to specific process by C++ under Linux.
C Parser	<ul style="list-style-type: none"> - (Scanner and Parser) for most of C Language. - Perfect GUI using C#.net and Expression Blend.
System Analysis	<ul style="list-style-type: none"> - Making computerized system to “Alex Service for Public Service”. - Constructing DTD, ERD, Decomposition diagram context diagram, Low level

	diagram.
Rocket Dock Game	<ul style="list-style-type: none"> - Game by Direct X over C#. - A rocket go through the Space must avoid Rocks.
Chess Board Algorithm	<ul style="list-style-type: none"> - The project contains chess Board, king and queen - The king can move one step to up, down, left and right, the queen can move one or more steps to up, down, left and right. - We applied Algorithm to solve this Problem using C#.net.
Correlation & convolution	<ul style="list-style-type: none"> - We applied the concept of Correlation & convolution. - Using Mat lab ,C#.net
E-learning project	<ul style="list-style-type: none"> - Data structure course using Flash MX 8. - How does some Data structure interact with their algorithms?
Smart Browser	<ul style="list-style-type: none"> - A browser For Blind people. - Using Java and Simple Text To Speech and Swing Framework.
Network Game	<ul style="list-style-type: none"> - Simple Network Game Using Simple Game Engine. - The Focus was in how we could send data and synchronize it with each peer.
Synchronization Problem	<ul style="list-style-type: none"> - Synchronization model on Text file - Many reader and Writers can access this file without any corrupted data - Using Java Threading API.
Integration Phase of FCI Helwan Web site	<ul style="list-style-type: none"> - Web site for our faculty. - Integration phase of all modules of the system.

Personal Strengths

- Ability to learn new technologies fast.
- Goal oriented and leadership.
- Ability to work in a group or individually.
- Ability to work under pressure.
- Excellent research abilities.
- Excellent communication skills and presentation skills.
- Creativity and honesty.
- Self-motivated and ability to motivate others.

Activities

- Cairo Code Camp 2010 as organizer.
- EED 2007, 2008 as organizer and 2009 as exhibitor.
- FCI Helwan IEEE Student Branch booth speaker in Cairo ICT 2008.
- FCI Helwan IEEE Student Branch member (publicity Department).
- Member of ESEA (Egyptian Software Engineers Association).
- Participated in "Students United" club at Helwan University.

Competition and Contests

Imagine Cup 2008:

ACM/ICPC 2008:

- Software Design competition local final round, one of 12 best projects of Egypt.
- International Collegiate Programming Contest, Honorable Mention.

Other Certificates

- Certificate of estimate to thank the successfully participation in "MIE 2009" competition from "IEEE GOLD Egypt".
- Certificate of estimate to thank the Smart participation in "Imagine Cup 2008" competition from "Ministry of the state for affairs of the environment".
- Certificate of Achievement in ACM/ICPC 2008, Honorable Mention.
- Certificate of attendance seminar in Communication and Emotional Control from "The Canadian Training Center of Human Development".
- Certificate of attendance the basic course from "Zedny" Center for human development.

Other Information

Area of interest

- Business ideas.
- Text Processing.
- Network Programming.
- Algorithms.

Hobbies

- Football ,Running
- Reading (Management, Human development).
- Writing (Stories, Human development articles).

References will be available upon request...